Play with TikZ

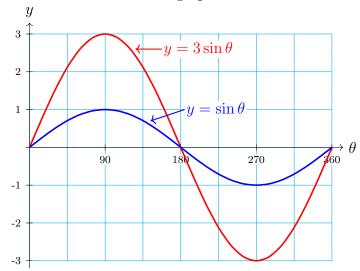
Just Us

September 18, 2022

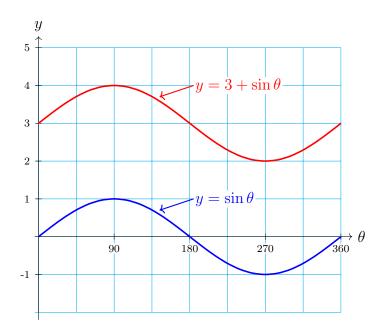
1 Chap 4 Trigonometric Functions

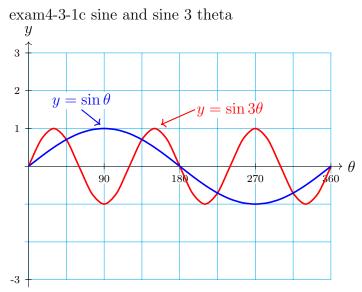
1.1 4.3 Periodic functions

exam4-3-1a two scaled sine graphs

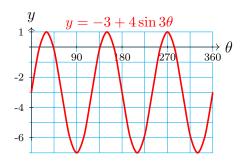


exam4-3-1b sine and 3+ sine

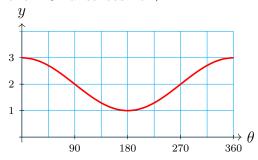




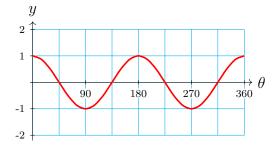
exam
4-3-2 $-3+4\sin3\theta$



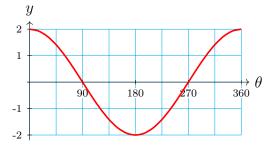
exer 4-3-1ansa cosine +2



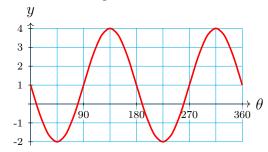
exer
4-3-1
ansb cosine 2 theta



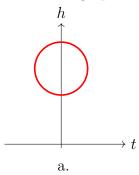
exer
4-3-1
ansc 2 cosine theta



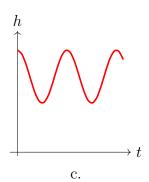
exer
4-3-2ans $y=1-3\sin2\theta$



exam4-3-3 graphs



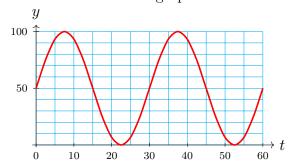
 $\begin{array}{c}
h \\
\hline
\\
h \\
\\
b.
\end{array}$ b.



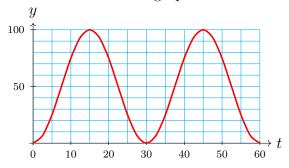
 $\begin{array}{c|c}
\hline
12 \\
\hline
9 \\
\hline
3 \\
\hline
1/2 \text{ diameter} \\
\hline
1/4 \text{ diameter}
\end{array}$

exam
4-3-3
soln clock

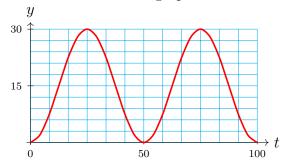
exer
4-3-3a sinusoidal graph $\,$



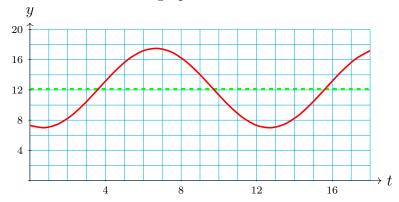
exer4-3-3b sinusoidal graph



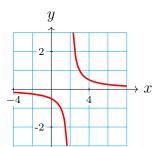
exer4-3-3c sinusoidal graph



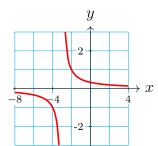
exam
4-3-4 sinusoidal graph



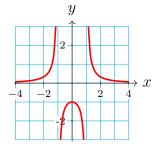
2 Algebra refresher graphs



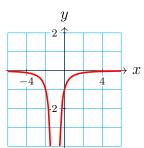
ar4-3-1ans $f(x) = \frac{1}{x-2}$



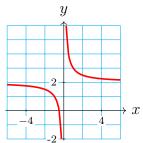
ar4-3-2ans $f(x) = \frac{1}{x+3}$



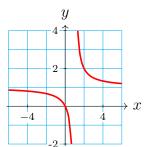
ar4-3-3ans $f(x) = \frac{1}{x^2 - 1}$



ar4-3-4ans $f(x) = \frac{-1}{(x+1)^2}$

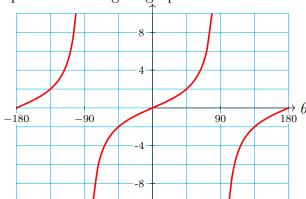


ar4-3-5ans $f(x) = \frac{2x+1}{x}$

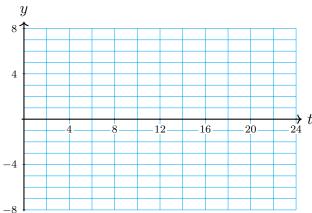


ar4-3-6ans $f(x) = \frac{x}{x-1}$

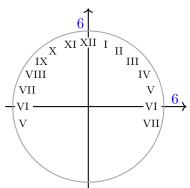
hp4-2-59ans tangent graph



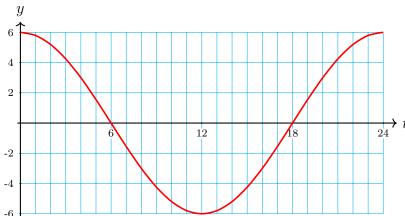
3 4.3 homework



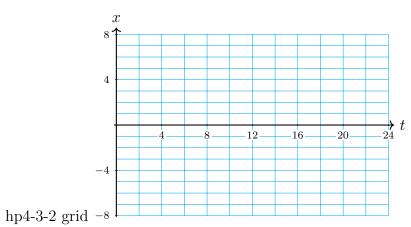
hp4-3-1 grid -8

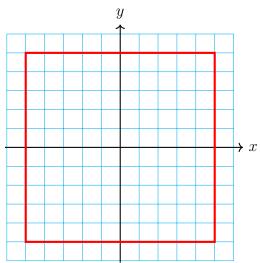


hp4-3-1ansa sundial on grid

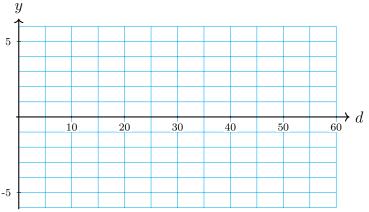


hp4-3-1ansc sinusoidal graph -6

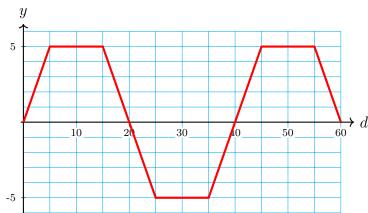




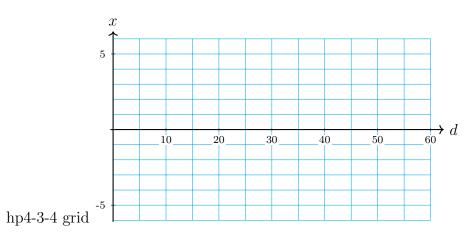
hp4-3-3 square on grid

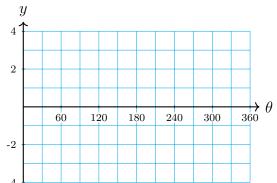


hp4-3-3b grid $^{-5}$

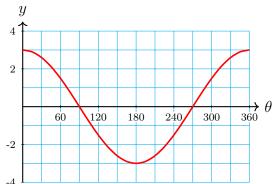


hp4-3-3ans periodic function

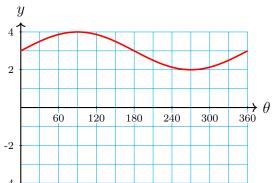




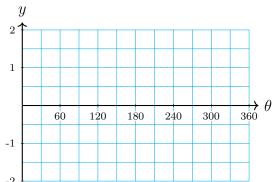
hp4-3-13 grid -4



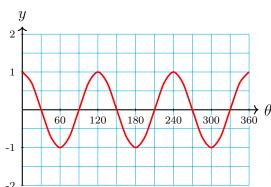
hp4-3-13ans 3 \cos theta -4



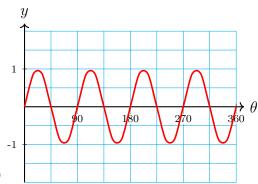
hp4-3-15ans $y = 3 + \sin \theta$ -4



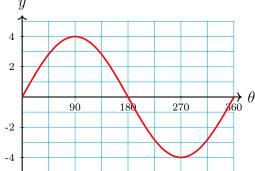
hp4-3-17 grid -2



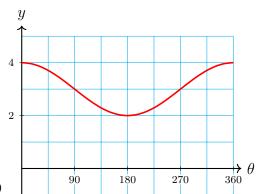
hp
4-3-17ans $y = \cos 3\theta$ -2



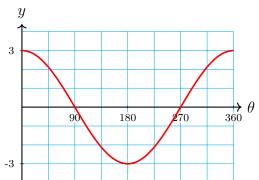
 $hp4-3-25 y = \sin 4\theta$



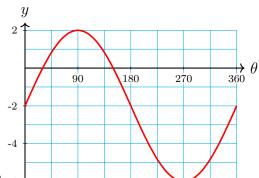
hp4-3-26 $y = 4 \sin \theta^{-4}$



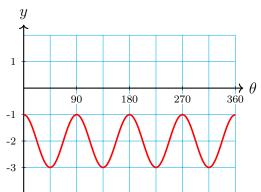
hp4-3-27 $y = 3 + \cos \theta$



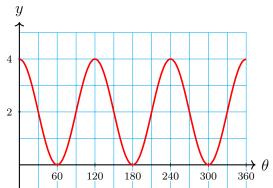
hp4-3-28 $y = 3\cos\theta^{-3}$



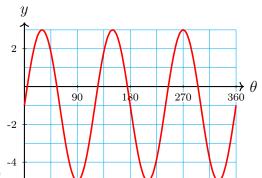
 $hp4-3-29 \ y = -2 + 4 * \sin \theta - 6$



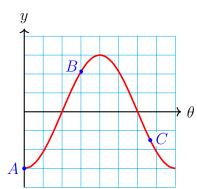
hp4-3-30 $y = -2 + \cos 4\theta$



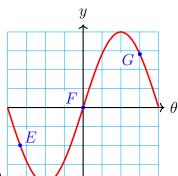
hp4-3-31 $y = 2 + 2\cos 3\theta$



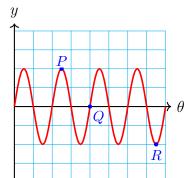
 $hp4-3-32 \ y = -1 + 4\sin 3\theta$



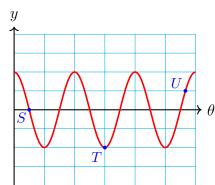
hp4-3-43 $y = -3\cos\theta$



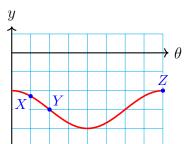
 $hp4-3-44 y = 4\sin\theta$



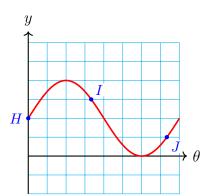
 $hp4-3-45 y = \sin 4\theta$



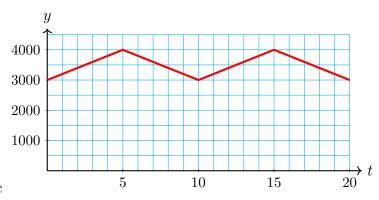
hp4-3-46 $y = \cos 3\theta$



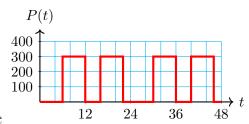
hp4-3-47 $y = -3 + \cos \theta$



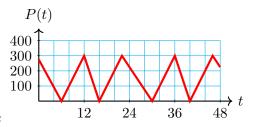
hp4-3-48 $y = 1 + \sin \theta$



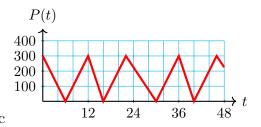
hp4-3-53ans piecewise linear periodic



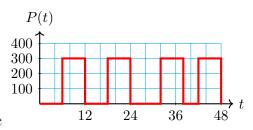
hp4-3-54ans piecewise horizontal periodic



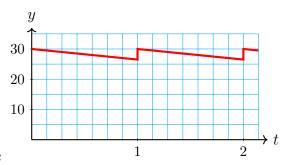
hp4-3-54wrong1 piecewise linear periodic



hp4-3-54wrong2 piecewise linear periodic

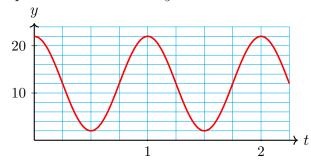


hp4-3-543wrong piecewise horizontal periodic

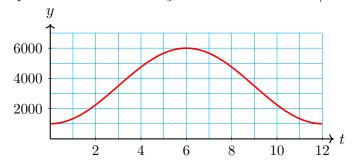


hp4-3-55ans piecewise linear periodic

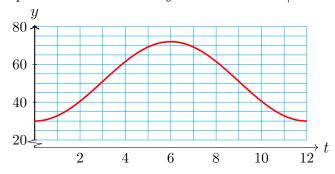
hp
4-3-57ans sinusoidal $y=12+10\cos2\pi t$



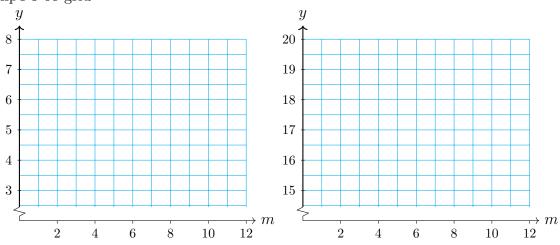
hp4-3-59ans sinusoidal $y = 3500 + 2500 \sin 2\pi / 12t$



hp
4-3-61ans sinusoidal $y=51+21\sin 2\pi/12t$



hp4-3-65 grid



hp4-3-65ans

